

WEEKLY CASE REPORT FOR EXTERNAL USE

MONTH OF MAR (APR 1- MAY 3, 2021)

| | |
|---|-----------|
| KEY TAKEAWAYS | 2 |
| 1.0 COVID-19 SNAP SHOT | 4 |
| 1.1 CONFIRMED CASES, HOSPITALIZATIONS, FATALITIES, AND PROBABLE CASES BY COUNTY | 4 |
| 1.2 CURRENT COVID-19 HOSPITALIZATIONS IN THE RICHMOND CATCHMENT AREA ON MAY 3, 2021 | 4 |
| 2.0 COVID-19 TESTING ENCOUNTERS AND POSITIVITY | 5 |
| 2.1 TESTING SUMMARY | 5 |
| 2.2 NUMBER OF PCR TESTS RELATIVE TO STATEWIDE TESTING GOAL | 5 |
| 3.0 COVID-19 CASES | 6 |
| 3.1 SUMMARY OF CASES | 6 |
| 3.2 CASE REPORTS TRENDS BY DATE (SOURCE-VDH WEBSITE) | 6 |
| 3.3 CASES BY SEX BY COUNTY | 7 |
| 3.4 CASES BY AGE GROUP BY COUNTY | 8 |
| 3.5 CASES AND POPULATION PROPORTIONS BY RACE AND ETHNICITY BY COUNTY | 9 |
| 4.0 COVID-19 HOSPITALIZATIONS | 12 |
| 4.1 SUMMARY OF HOSPITALIZATION | 12 |
| 4.2 HOSPITALIZATIONS (CONFIRMED AND PENDING) BY DAY IN THE RICHMOND CATCHMENT AREA AS OF MAY 2, 2021 | 12 |
| 4.3 ICU HOSPITALIZATIONS (CONFIRMED AND PENDING) BY DAY IN THE RICHMOND CATCHMENT AREA AS OF MAY 2, 2021 | 13 |
| 4.4 VENTILATOR UTILIZATIONS (PATIENTS ON VENTILATORS) BY DAY IN RICHMOND CATCHMENT AREA AS OF MAY 2, 2021 | 14 |
| 4.5 HOSPITALIZATIONS BY SEX, RACE, AND AGE BY COUNTY | 14 |
| 5.0 COVID-19 FATALITIES | 15 |
| 5.1 SUMMARY OF FATALITIES | 15 |
| 5.2 DEATHS BY SEX, RACE, AND AGE BY COUNTY | 15 |
| 6.0 VACCINATION | 16 |
| 6.1 VACCINE SUMMARY | 16 |
| 6.2 PERCENTAGE OF VACCINATION GOALS REACHED BY POPULATION | 16 |
| 6.3 VACCINATIONS BY LOCALITY AS OF MAY 3, 2021 - SOURCE: VDH.VIRGINIA.GOV | 17 |
| 6.3 WEEKLY TOTALS BY VACCINATION PATHWAY FOR RICHMOND AND HENRICO - SOURCE: INTERNAL TRACKING, VIIS | 17 |
| 6.4 VACCINE DISTRIBUTION BY DEMOGRAPHIC SUBGROUP - SOURCE: VIIS | 18 |
| 7.0 APPENDIX | 21 |
| 7.1 CENSUS POPULATION ESTIMATES BY AGE AND RACE--RICHMOND CITY AND HENRICO COUNTY | 21 |
| 7.2 VHASS HOSPITALIZATION MEASURES - FULL DATA RANGE - MARCH 14 - PRESENT | 21 |

KEY TAKEAWAYS

- According to the [VDH Pandemic Metrics Dashboard](#), the Central Region is still experiencing a high burden of cases and a substantial activity level, with a fluctuating trend in cases. As of May 3, Case incidence and percent positivity are decreasing in both localities. The **daily case incidence rate** in Richmond was 10.9 cases per 100,000. Percent **positivity** for the locality is 4.1%. In Henrico, the daily case incidence rate is 12.5 cases per 100,000, and percent positivity for the locality is 4.7%.
- The number of **PCR tests administered** across providers has also dropped notably in both districts in the last month, compared to the preceding three months.
- During the month of April, **cases** in both districts began to decline after increases in late March, with Richmond seeing a very small uptick in the past few days. Compared to last month, based on VEDSS data by date, cases in Richmond dropped from a 7 day average of 19 to 11.5 daily new cases per 100,000 population. In Henrico, cases dropped from 20.7 to 12.3 new cases per day, per 100,000.
- **Females comprise a higher proportion of cases** compared to males, both in the last month and cumulatively in both districts. In Richmond, **20-29 year** olds continue to have the highest proportion of cases by age group. In Henrico, 20-29 year olds continue to lead, though closely followed by 30-39 year olds. Regarding **race and ethnicity**, in Richmond, the highest proportion of cases is still among Black individuals, again both cumulatively and in the last 4 weeks. In Henrico, over the last four weeks, Black individuals have shown higher case numbers than White individuals, although cumulatively White individuals comprise the highest case burden.
- Among the 11 hospitals that comprise the Richmond catchment area, **hospitalizations, ICU hospitalizations and ventilator utilizations** have declined (see [VDH Dashboard](#) for additional trend data). As summarized at the beginning of this report, all 11 hospitals are operating at a normal clinical status. Regarding **hospitalization demographics**, cumulative hospitalizations are highest among females and Black individuals in both districts. The median age of hospitalization is 61 in Richmond and 67 in Henrico.
- After fluctuations in March, there have been minimal **COVID-19 deaths** in April in Richmond and Henrico. Cumulatively, deaths are highest among male individuals and Black individuals in Richmond and highest among female individuals and White individuals in Henrico. The median age of death is 77 in Richmond and 80 in Henrico.
- Richmond and Henrico Health Districts are in Phase 2 of **vaccination**. Anyone 16 or older is now eligible to receive the vaccine. As of May 3, 2021, 44.3% of the region's population has received at least one dose of the vaccine, while 33.0% of the region's population has been fully vaccinated. For Richmond and Henrico's combined population, 43.7% have received at least one dose, while 31.5% of the two districts combined population has been fully vaccinated. The majority of vaccine recipients in Richmond City have been female and people 30-39, while the majority in Henrico County have been female and people 60-69 or 50-59 years old. Available data indicate that eligible White individuals have received the majority of the vaccine, but a large percentage of recipients' race/ethnicity is still unreported.

1.0 COVID-19 SNAP SHOT

1.1 CONFIRMED CASES, HOSPITALIZATIONS, FATALITIES, AND PROBABLE CASES BY COUNTY

| CASE STATUS | RICHMOND CITY | HENRICO COUNTY | VIRGINIA |
|-----------------------------|---------------|----------------|----------|
| New cases this month | 887 | 1508 | 35754 |
| New cases this week (May 3) | 182 | 274 | 6996 |
| All cases | 16846 | 25051 | 661925 |
| Confirmed cases | 13810 | 18407 | 514450 |
| Hospitalizations | 771 | 994 | 27053 |
| Deaths | 221 | 534 | 9091 |
| Probable cases | 3036 | 6644 | 147475 |
| Hospitalizations | 21 | 40 | 1489 |
| Deaths | 36 | 71 | 1716 |
| Case rate per 100,000 | 7310.5 | 7572.4 | 7754.9 |

Weekly cases added are estimated as the difference between the cases recorded from the current and prior week

*Case Rate per 100,000=(confirmed+probable)/population count *100,000.*

Population estimates for the case rate are the most recent as of July 1, 2019 from the [U.S Census Bureau QuickFacts](#)

1.2 CURRENT COVID-19 HOSPITALIZATIONS IN THE RICHMOND CATCHMENT AREA ON MAY 3, 2021

The data included in this section comes from VHASS and it includes data from the following hospitals: VCU Health System, Retreat Doctors', Bon Secours Community, CWJ Chippenham, CWJ Johnson Willis, VA Medical Center, Bon Secours St. Mary's, Henrico Doctors, and Parham Doctors, Bon Secours St. Francis, and Memorial Regional Medical Center.

| | TOTAL IN USE FOR COVID-19 | CURRENTLY AVAILABLE |
|----------------------------|---------------------------|---------------------|
| Confirmed Hospitalizations | 115 | 169 |
| Pending Hospitalizations | 16 | |
| Confirmed - ICU | 40 | 32 |
| Pending - ICU | * | |
| Confirmed - Ventilators | 21 | 296 |
| Pending - Ventilators | * | |

Within these 11 hospitals that comprise the Richmond catchment area, there are currently 46 available adult ICU beds, and 463 available ventilators. Based on the VHASS hospital dashboard on April 4th, all hospitals are operating at normal clinical status.

*Counts <5 have been suppressed.

**A clinical status of “normal” indicates that hospital clinical resources are operating within normal conditions. A clinical status of “full” indicates that hospital clinical resources are exceeded and acceptable care cannot be provided to additional patients. Diversion or Community surge response is required.

2.0 COVID-19 TESTING ENCOUNTERS AND POSITIVITY

2.1 TESTING SUMMARY

Total tests by testing modality and the associated 7-day average in percent positivity are summarized in the table below. Data are from the [VDH public dashboard](#) on May 2, 2021.

| | RICHMOND CITY | | HENRICO COUNTY | |
|------------------------------------|---------------|------------|----------------|------------|
| | Tests | Positivity | Tests | Positivity |
| PCR* | 244,303 | 4.1% | 358,341 | 4.7% |
| Antigen | 44,182 | 4.0% | 90,009 | 6.1% |
| Total (PCR, antigen, and antibody) | 292,872 | 4.3% | 457,376 | 5.3% |

*All testing metrics included in previous reports have been based on PCR tests

2.2 NUMBER OF PCR TESTS RELATIVE TO STATEWIDE TESTING GOAL

The counts below are based on the total number of testing encounters provided by the Virginia Department of Health for Richmond City and Henrico County. **It is important to note that the number of testing encounters is different from the number of people tested, as some individuals may be tested more than once.** The counts below should be viewed as an approximation of the percentage of each county’s population that has been tested and may be higher than the actual percentage of the population tested.

| MONTH | RICHMOND CITY - TOTAL PCR TESTS/MONTH | HENRICO COUNTY - TOTAL PCR TESTS/MONTH |
|---------------|--|---|
| April 2021 | 13,590 | 24,550 |
| March 2021 | 16,505 | 27,164 |
| February 2021 | 22,475 | 31,293 |
| January 2021 | 35,001 | 50,108 |
| December 2020 | 29,921 | 40,568 |
| November 2020 | 35,419 | 30,871 |

The testing date was not reported for 483 PCR testing encounters in Richmond and not reported for 909 PCR testing encounters in Henrico, inclusive of all PCR tests since January 2020.

3.0 COVID-19 CASES

3.1 SUMMARY OF CASES

During the month of April, cases in both districts began to decline after increases in late March, with Richmond seeing a very small uptick in the past few days. Compared to last month, based on VEDSS data by date, cases in Richmond dropped from a 7 day average of 19 to 11.5 daily new cases per 100,000 population. In Henrico, cases dropped from 20.7 to 12.3 new cases per day, per 100,000.

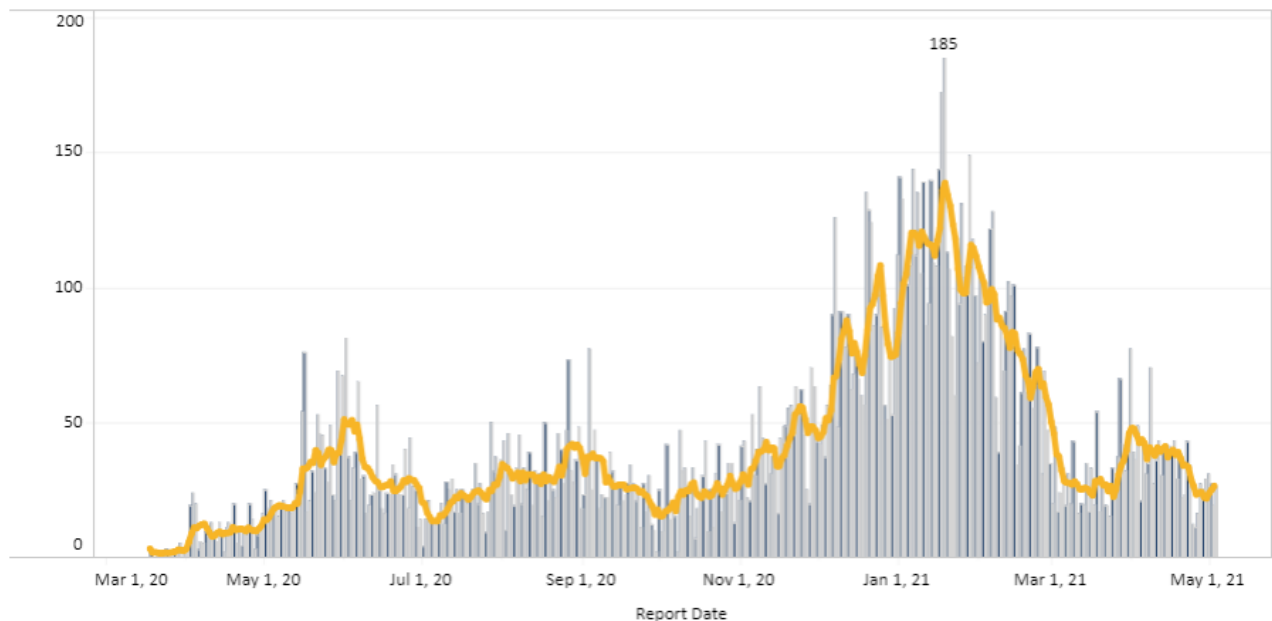
Females comprise a higher proportion of cases compared to males, both in the last month and cumulatively in both districts. In Richmond, 20-29 year olds continue to have the highest proportion of cases by age group. In Henrico, 20-29 year olds continue to lead, though closely followed by 30-39 year olds. Regarding race and ethnicity, in Richmond, the highest proportion of cases is still among Black individuals, again both cumulatively and in the last 4 weeks. In Henrico, over the last four weeks, Black individuals have shown higher case numbers than White individuals, although cumulatively White individuals comprise the highest case burden.

3.2 CASE REPORTS TRENDS BY DATE (SOURCE-VDH WEBSITE)

The report date corresponds to the date the case count was reported publicly. The report date does not have any equivalent variable in VEDSS, and cannot be directly linked to case-specific dates (e.g., event dates or lab report dates). Case counts by report date are estimated by subtracting the cumulative cases on the previous day from that of the current day. The 7-day moving average is a recurrent average of the number of cases for each 7-day data sequence.

| Number of New Cases Reported^ | 7-Day Average Number of Daily New Cases Reported | 7-Day Average Number of New Daily Cases Reported, Rate per 100,000 Population | Total Number of New Cases per 100,000 Population within last 14 days |
|-------------------------------|--|---|--|
| 26 | 26 | 11.5 | 150.8 |

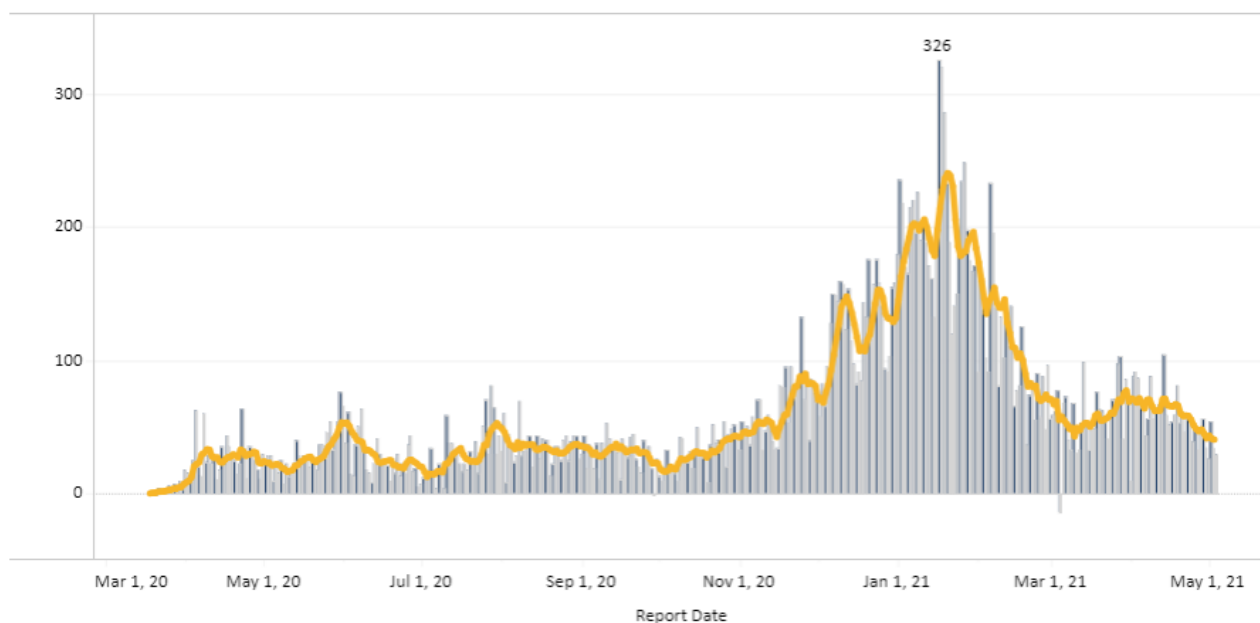
Report Date Daily Cases Counts - Richmond City



- Following a rapid decline throughout January and February, and despite a brief uptick throughout March, recent data suggests a decrease in overall case numbers in the Richmond City area, with a 7-Day Average of 11.5 new cases per day per 100,000 people.

| Number of New Cases Reported^ | 7-Day Average Number of Daily New Cases Reported | 7-Day Average Number of New Daily Cases Reported, Rate per 100,000 Population | Total Number of New Cases per 100,000 Population within last 14 days |
|-------------------------------|--|---|--|
| 29 | 40 | 12.3 | 188.6 |

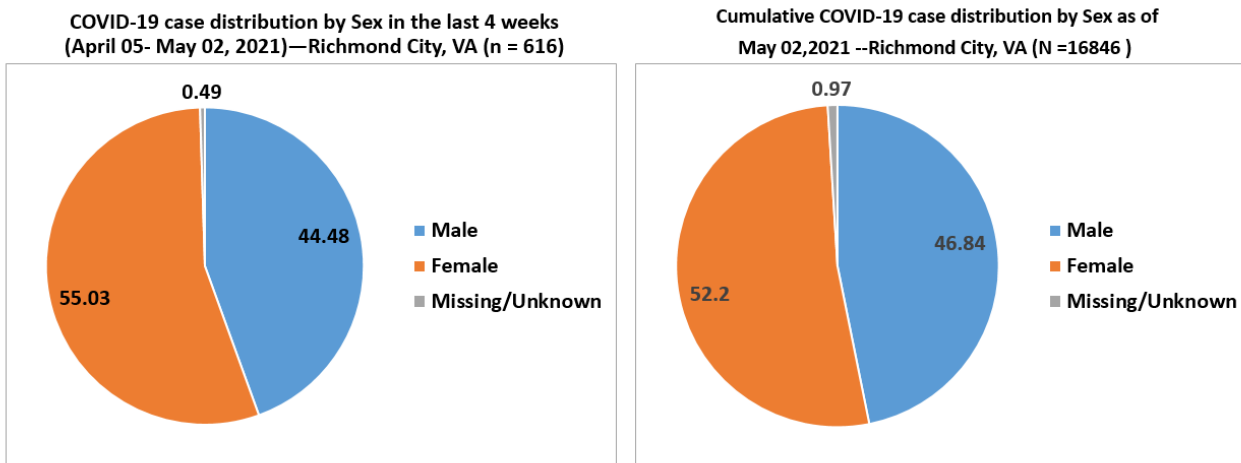
Report Date Daily Cases Counts - Henrico



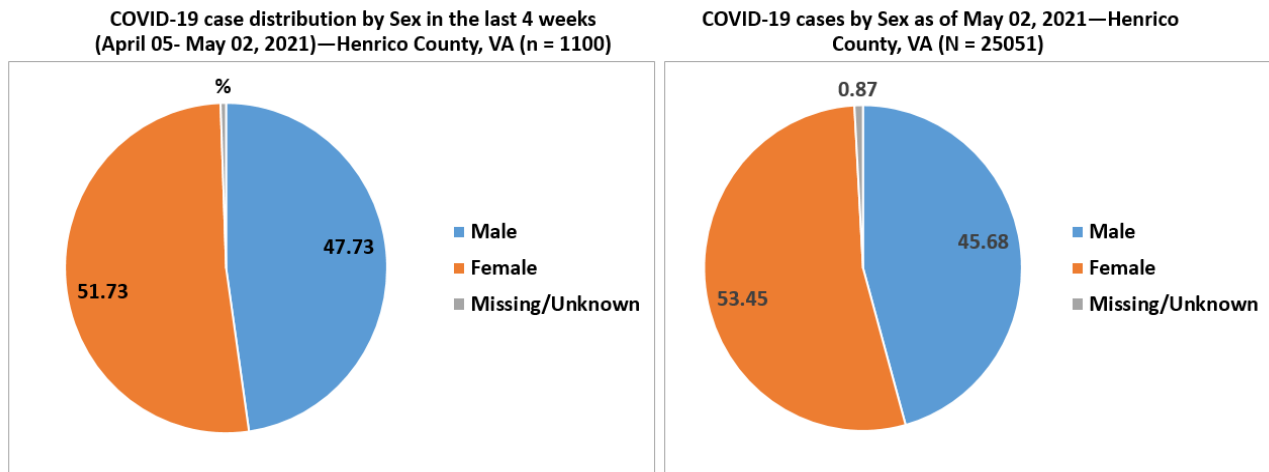
- In Henrico County, cases largely declined over the course of February, and despite a brief uptick throughout the month of March, cases plateaued and decreased overall during the month of April, with a recent 7-Day Average of 12.3 new cases daily per 100,000 people.

3.3 CASES BY SEX BY COUNTY

All percentages are based on overall case distribution, rather than the proportion of known cases for each measure, and therefore may not correspond directly with VDH percentages.

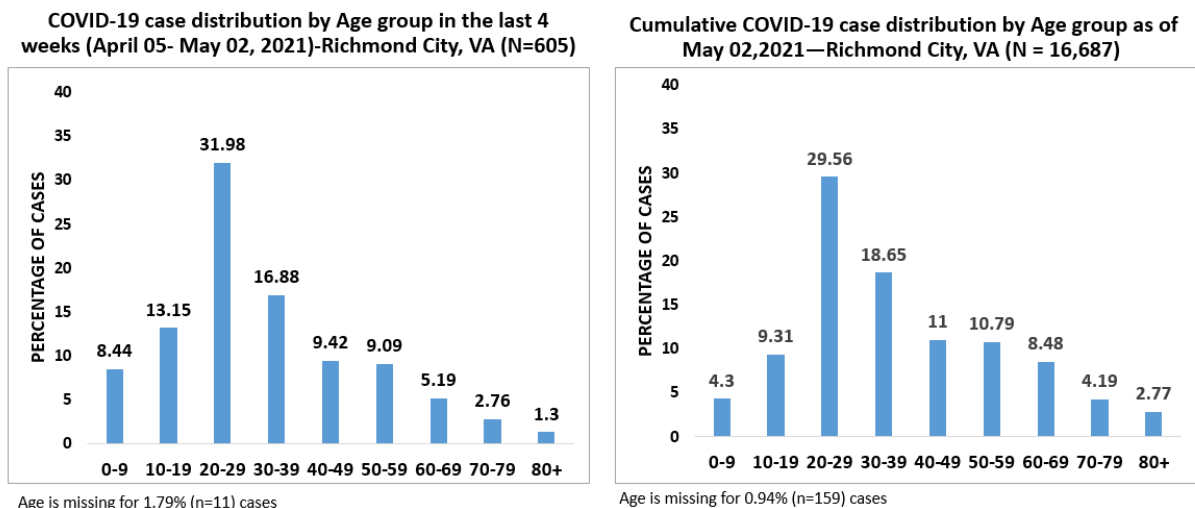


- In Richmond, females comprise a higher proportion of cases relative to males in the last 4 weeks (55.03% vs 44.48%), along with cumulatively (52.2% vs 46.8%).



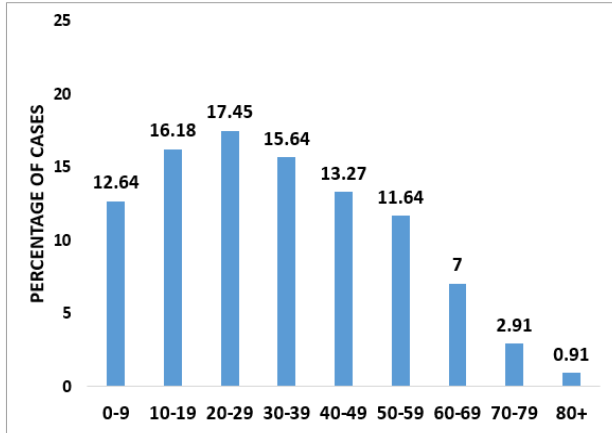
- In Henrico, females comprise a higher proportion of cases relative to males both in the last 4 weeks (51.73% vs 47.73%) as well as cumulatively (53.45% vs 45.68%).

3.4 CASES BY AGE GROUP BY COUNTY



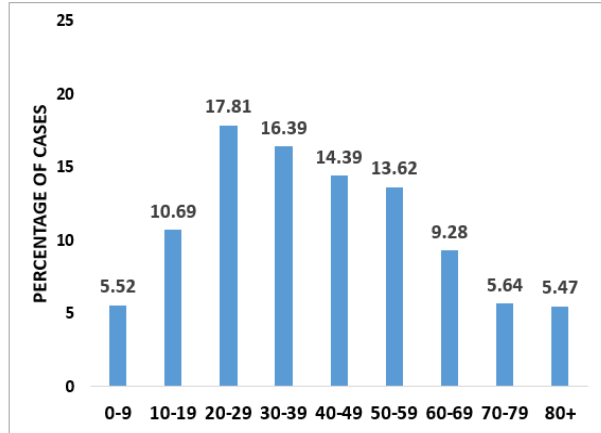
- In Richmond, individuals aged 20-29 comprise the highest number of cases in the last four weeks (31.98%) and cumulatively (29.56%), followed by individuals aged 30-39 years (16.9%) in the last four weeks and (18.65%) cumulatively.

COVID-19 case distribution by Age group in the last 4 weeks
(April 05-May 02, 2021)—Henrico County, VA (n = 1074)



Age is missing for 2.36% (n=26) cases

COVID-19 cases by Age group as of May 02, 2021
—Henrico County, VA (N = 24752)

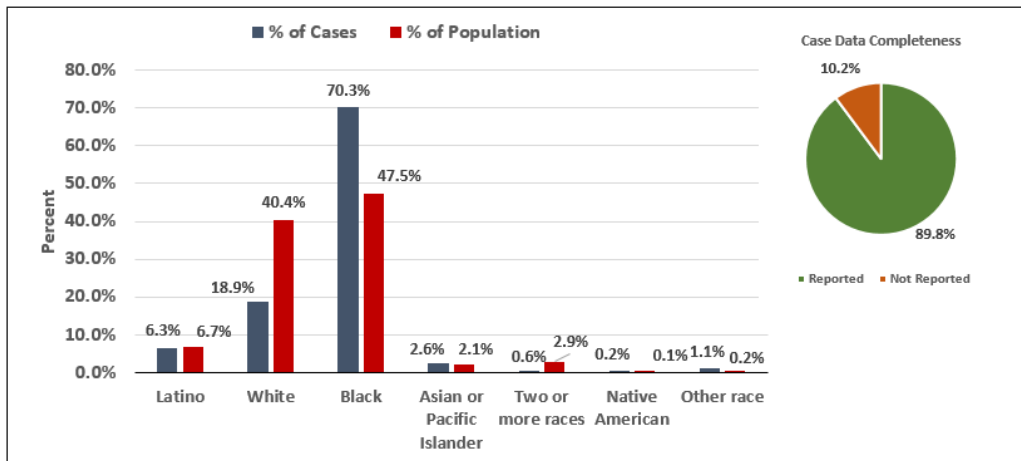


Age is missing for 1.19% (n=299) cases

- In Henrico, individuals aged 20-29 comprise the highest number of cases in the last four weeks (17.45%) and cumulatively (17.8%). Over the last four weeks, the percentage of cases among individuals aged 30-39 (15.6%) and cumulatively 30-39 year olds comprise the second largest case burden (16.4%).

3.5 CASES AND POPULATION PROPORTIONS BY RACE AND ETHNICITY BY COUNTY

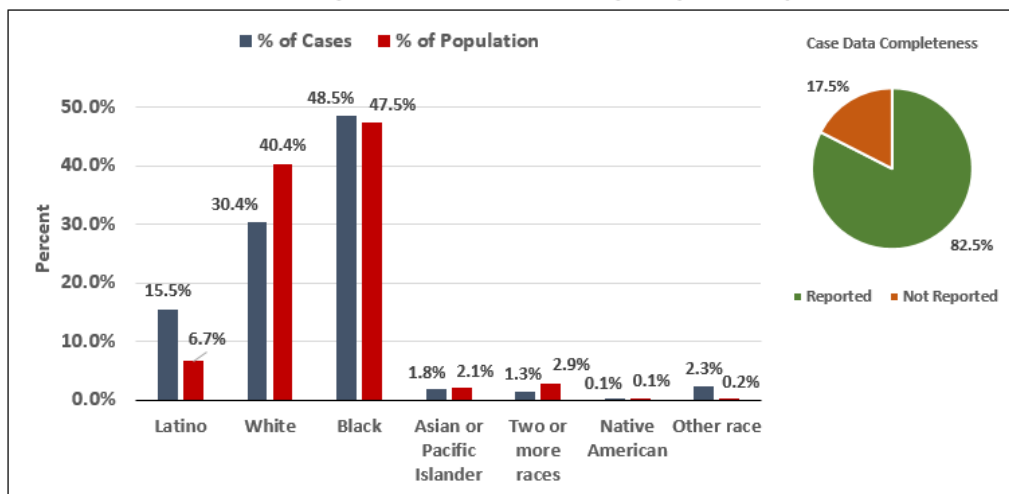
COVID-19 case distribution by Race and Ethnicity in the last 4 weeks
(Apr 5 – May 2, 2021)—Richmond City, VA (N=616)



*For race/ethnicity identification among cases, “Not Reported” comprises 10.2% (n=63).

*Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity

**Cumulative COVID-19 case distribution by Race and Ethnicity
as of May 2, 2021 —Richmond City, VA (n= 16846)**

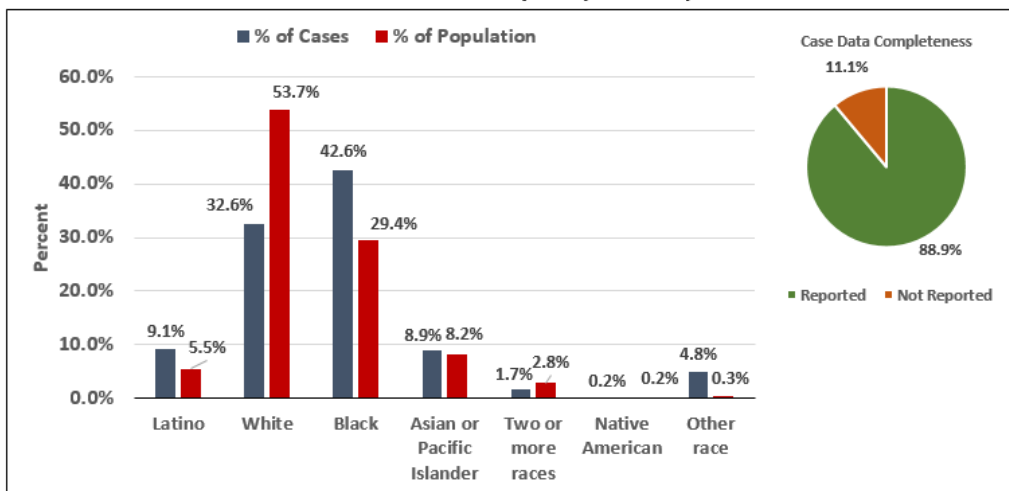


*For race/ethnicity identification among cases, "Not Reported" comprises 17.5% (n=2953).

*Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity

- In Richmond, the proportion of cases among Black individuals in the last 4 weeks represents the highest case burden at (70.3%). Black individuals also comprise the majority of cumulative cases (48.5%) followed by White (30.4%) individuals.

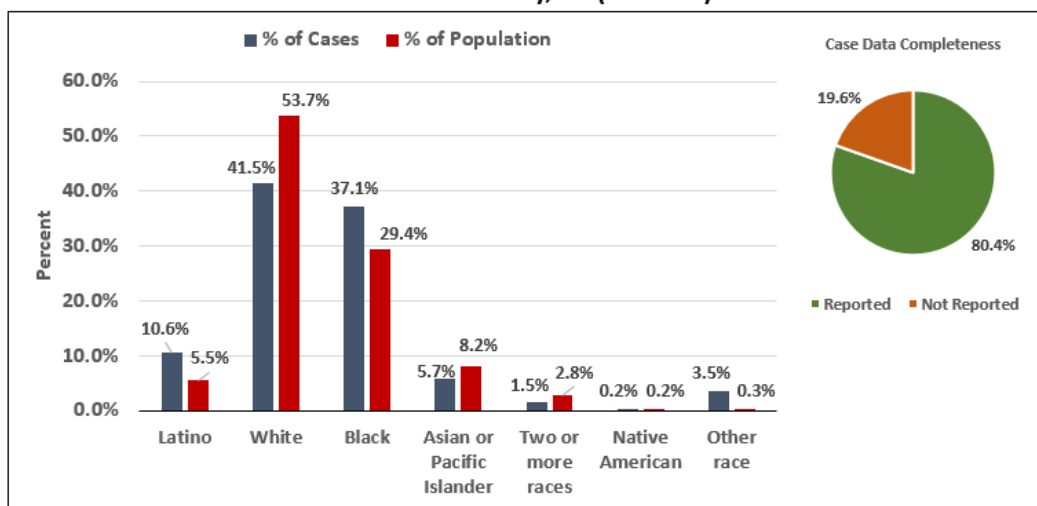
**COVID-19 case distribution by Race and Ethnicity in the last 4 weeks May 2, 2021
—Henrico County, VA (n=25051)**



*For race/ethnicity identification among cases, "Not Reported" comprises 11.1% (n=122).

*Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity

**Cumulative COVID-19 case distribution by Race and Ethnicity as of May 2, 2021
—Henrico County, VA (n=25051)**

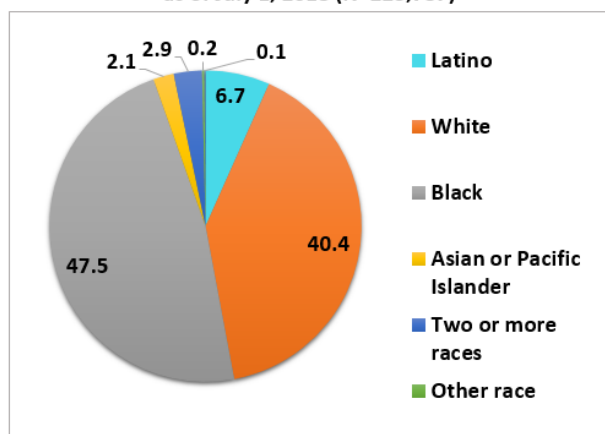


*For race/ethnicity identification among cases, "Not Reported" comprises 19.6% (n=4913).
*Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity

- In Henrico, the proportion of cases among Black individuals in the last 4 weeks represents the highest case burden at (42.6%). White individuals comprise the majority of cumulative cases (41.5%) followed by Black (37.1%) individuals. Not reported cases constitute a significant number of cases as well at (11.1%) in the last four weeks and (19.6%) cumulatively.

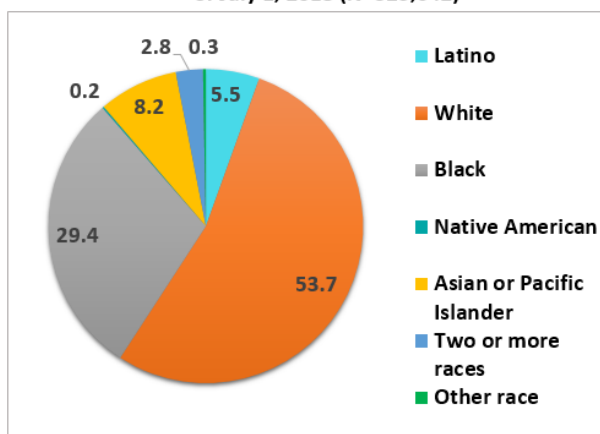
Population estimates for the Race and Ethnicity subgroup analyses are from the [2018 ACS 5-year estimates](#)

Richmond City Population Estimates by Race and ethnicity as of July 1, 2018 (N=223,787)



*Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity

Henrico County Population Estimates by Race and ethnicity as of July 1, 2018 (N=325,642)



*Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity

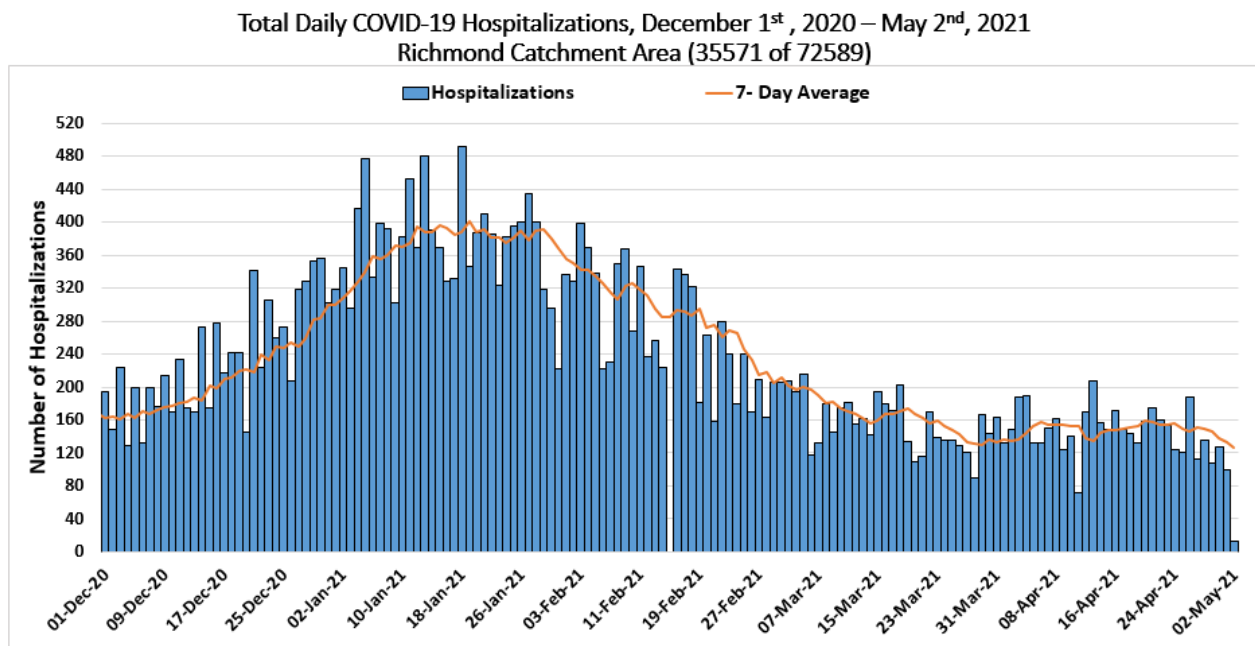
4.0 COVID-19 HOSPITALIZATIONS

4.1 SUMMARY OF HOSPITALIZATION

Among the 11 hospitals that comprise the Richmond catchment area, hospitalizations, ICU hospitalizations and ventilator utilizations have declined (see [VDH Dashboard](#) for additional trend data). As summarized at the beginning of this report, all 11 hospitals are operating at a normal clinical status.

Regarding hospitalization demographics, cumulative hospitalizations are highest among females and Black individuals in both districts. The median age of hospitalization is 61 in Richmond and 67 in Henrico.

4.2 HOSPITALIZATIONS (CONFIRMED AND PENDING) BY DAY IN THE RICHMOND CATCHMENT AREA AS OF MAY 2, 2021



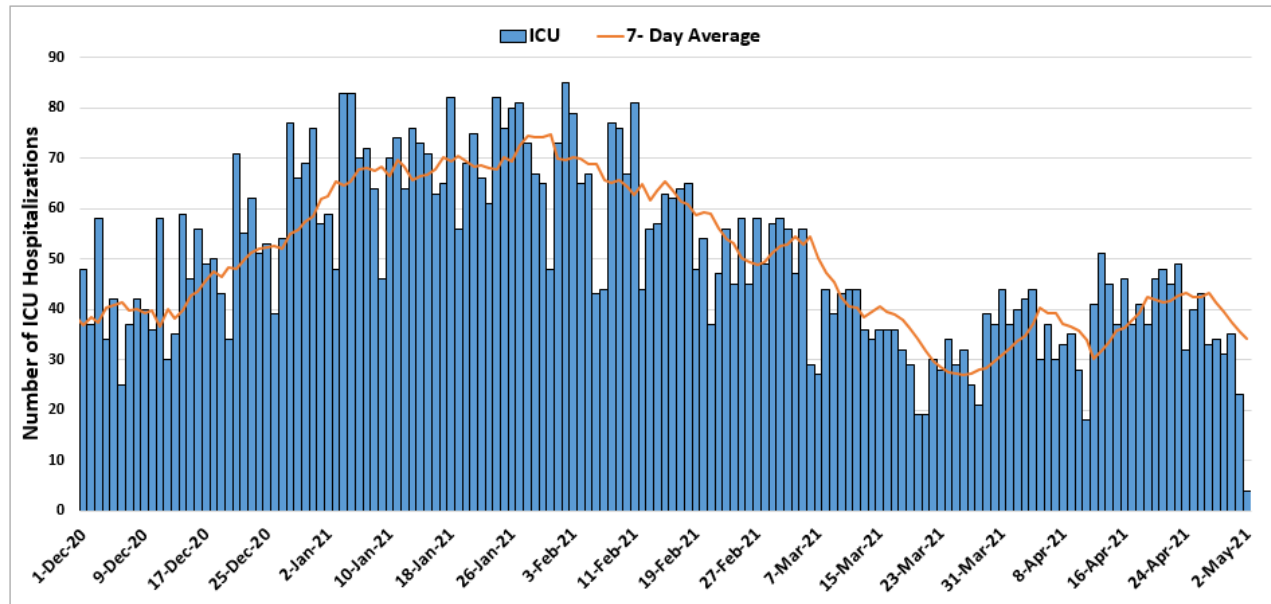
* Data points from March until November 30th are excluded to allow for clarity in trends/patterns

* Data points from February 15th, 2021 were omitted due to issues with data quality

- Data from the 11 hospitals included in this analysis has shown an overall downward trend since a peak in January. This downward trend has been consistent, despite minor fluctuations throughout March and April.

4.3 ICU HOSPITALIZATIONS (CONFIRMED AND PENDING) BY DAY IN THE RICHMOND CATCHMENT AREA AS OF MAY 2, 2021

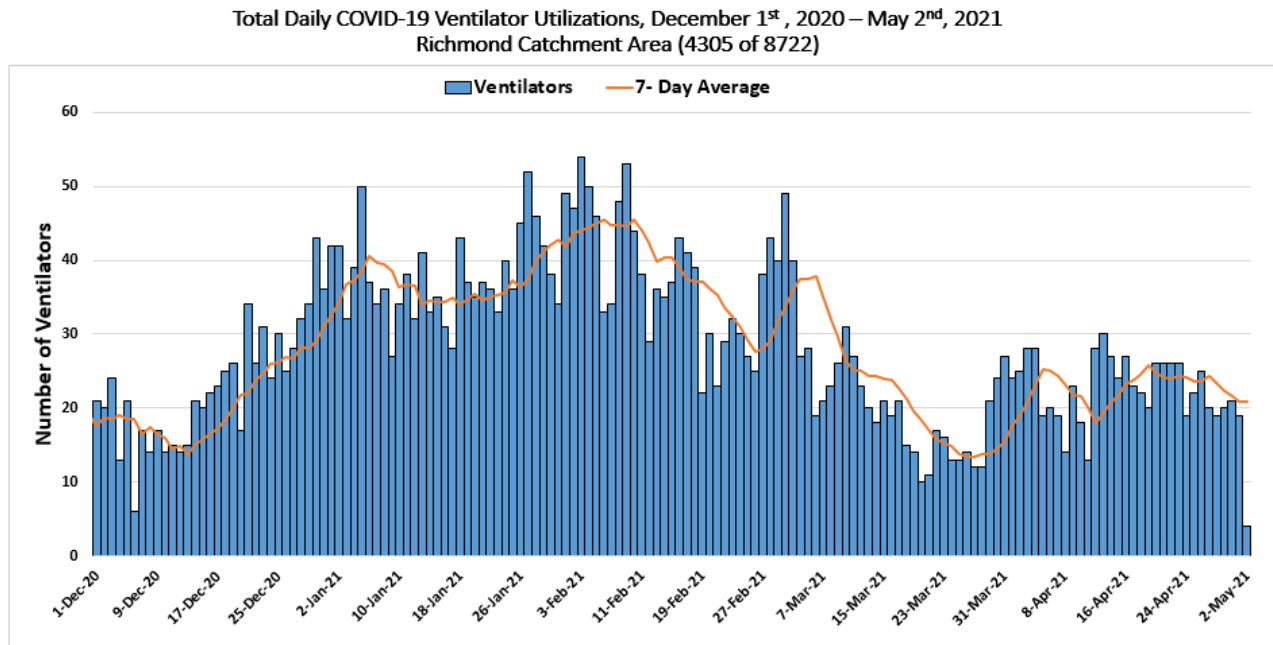
Total Daily COVID-19 ICU Hospitalizations, December 1st, 2020 – May 2nd, 2021
Richmond Catchment Area (7628 of 17372)



* Data points from March until November 30th 2020 are excluded to allow for clarity in trends/patterns

- Following a peak and mild fluctuations during the months of March and early April, ICU hospitalizations have generally been decreasing throughout the month of April.

4.4 VENTILATOR UTILIZATIONS (PATIENTS ON VENTILATORS) BY DAY IN RICHMOND CATCHMENT AREA AS OF MAY 2, 2021



- Ventilator utilization showed major fluctuations throughout the months of January, February and March. During the month of April ventilator utilizations appeared to have mild fluctuations but overall followed a downward trend.

4.5 HOSPITALIZATIONS BY SEX, RACE, AND AGE BY COUNTY

The minimum age ranges correspond to ages in months, which have been converted to years.

| CONFIRMED AND PROBABLE | RICHMOND (n= 792) | HENRICO (n= 1034) |
|---------------------------|-------------------|-------------------|
| Gender | | |
| Male | 377 | 493 |
| Female | 415 | 541 |
| Missing | | |
| Median Age (range) | 61 (0.2 - 96) | 67 (0.1 - 104) |
| Race | | |
| White | 117 | 399 |
| Black | 507 | 463 |
| Latino | 139 | 79 |
| Asian or Pacific Islander | 7 | 29 |
| Other race | 9 | 34 |
| Two or more races | 4 | 11 |
| Not reported | 8 | 16 |

Women comprise a majority of hospitalizations in both Richmond and Henrico. In Richmond, Black individuals comprise the majority of hospitalizations, which is also the case in Richmond. The median age of hospitalization for Richmond and Henrico is sixty-one and sixty-eight, respectively.

5.0 COVID-19 FATALITIES

5.1 SUMMARY OF FATALITIES

After fluctuations in March, there have been minimal COVID-19 deaths in April in Richmond and Henrico. (see [VDH Dashboard](#) for additional trend data). Cumulatively, deaths are highest among male individuals and Black individuals in Richmond and highest among female individuals and White individuals in Henrico. The median age of death in Richmond is 77, while in Henrico it is 80.

5.2 DEATHS BY SEX, RACE, AND AGE BY COUNTY

| CONFIRMED AND PROBABLE | RICHMOND (n= 259) | HENRICO (n= 605) |
|---------------------------|-------------------|------------------|
| Gender | | |
| Male | 131 | 276 |
| Female | 126 | 328 |
| Not reported | * | * |
| Median Age (range) | 77 (30 - 98) | 80 (21 - 106) |
| Race | | |
| White | 87 | 337 |
| Black | 151 | 220 |
| Latino | 12 | 23 |
| Asian or Pacific Islander | * | 16 |
| Other race | * | * |
| Two or more races | * | * |
| Not reported | * | 6 |

* Counts <5 have been suppressed.

6.0 VACCINATION

6.1 VACCINE SUMMARY

Richmond and Henrico Health Districts are in Phase 2 of vaccination. Anyone 16 or older is now eligible to receive the vaccine. As of May 3, 2021, 44.3% of the region's population has received at least one dose of the vaccine, while 33.0% of the region's population has been fully vaccinated. For Richmond and Henrico's combined population, 43.7% have received at least one dose, while 31.5% of the two districts combined population has been fully vaccinated.

The majority of vaccine recipients in Richmond City have been female and people 30-39, while the majority in Henrico County have been female and people 60-69 or 50-59 years old. Available data indicate that eligible White individuals have received the majority of the vaccine, but a large percentage of recipients' race/ethnicity is still unreported.

6.2 PERCENTAGE OF VACCINATION GOALS REACHED BY POPULATION

| | | POPULATION | POPULATION GOAL (75%) | PEOPLE WITH AT LEAST ONE DOSE | PEOPLE FULLY VACCINATED |
|----------|-----|------------|-----------------------|-------------------------------|-------------------------|
| Richmond | 16+ | 190,323 | 142,742 | 87,251 (45.8%) | 58,852(30.9%) |
| | 65+ | 29,805 | 22,354 | 21,762 (73%) | 17,820(59.8%) |
| Henrico | 16+ | 261,230 | 195,923 | 156,196 (59.8%) | 101,693(38.9%) |
| | 65+ | 49,805 | 37,354 | 43,280 (86.9%) | 34,973(70.2%) |

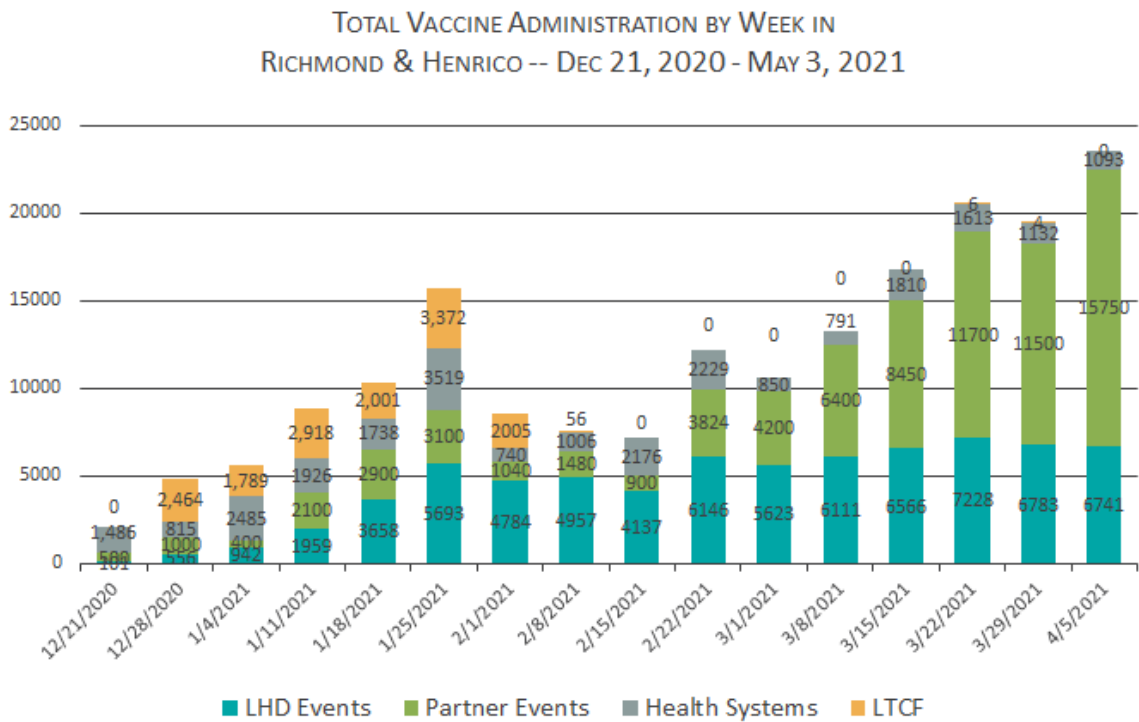
Population totals are based on 2019 ACS-5 year estimates from the US Census.

We have set a goal of vaccinating 75% of the population to reach herd immunity. First and second doses of the Pfizer vaccine must be administered at least 21 days apart. First and second doses of the Moderna vaccine must be administered at least 28 days apart. People who received the Johnson & Johnson vaccine, which is a single dose, are included in the count of first doses administered.

6.3 VACCINATIONS BY LOCALITY AS OF MAY 3, 2021 - SOURCE: [VDH.VIRGINIA.GOV](https://vdh.virginia.gov)

| HEALTH DISTRICT | LOCALITY | POPULATION | FIRST DOSES ADMINISTERED | SECOND DOSES ADMINISTERED |
|-----------------|------------------|------------------|--------------------------|---------------------------|
| Chesterfield | Chesterfield | 352,802 | 155,534 | 120,298 |
| | Colonial Heights | 17,428 | 6,591 | 5,069 |
| | Powhatan | 28,815 | 11,858 | 9,304 |
| Chickahominy | Charles City | 6,963 | 3,111 | 2,481 |
| | Goochland | 23,753 | 12,979 | 9,915 |
| | Hanover | 107,766 | 52,268 | 38,686 |
| | New Kent | 23,091 | 9,654 | 7,561 |
| Henrico | Henrico | 330,818 | 156,196 | 111,682 |
| Richmond | Richmond City | 226,622 | 87,251 | 64,044 |
| Total | | 1,118,058 | 495,442 | 369,040 |

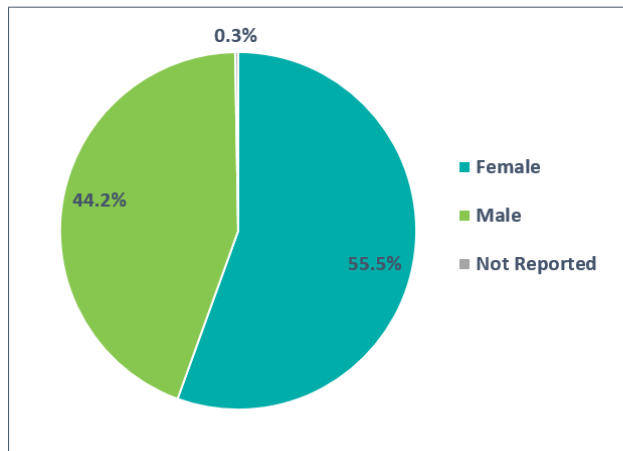
6.3 WEEKLY TOTALS BY VACCINATION PATHWAY FOR RICHMOND AND HENRICO - SOURCE: INTERNAL TRACKING, VIIS



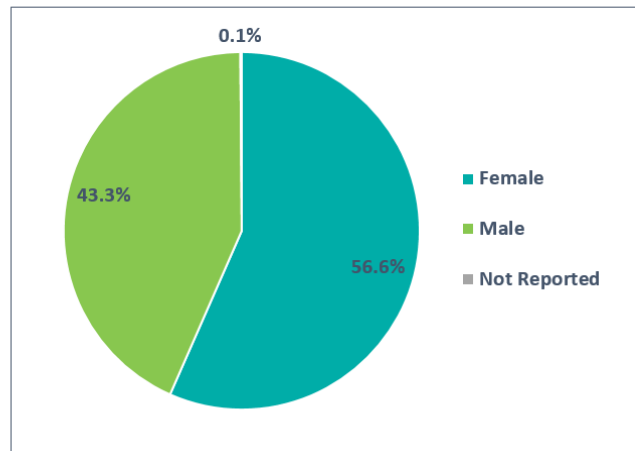
Health system totals reflect Richmond and Henrico residents who were vaccinated at one of the hospitals in the Richmond hospital catchment area - VCU Health System, Retreat Doctors', Bon Secours Community, CWJ Chippenham, CWJ Johnson Willis, Bon Secours St. Mary's, Henrico Doctors, and Parham Doctors, Bon Secours St. Francis, and Memorial Regional Medical Center. VA Medical Center is included in the COVID-19 hospitalization section of this report but vaccination data for this hospital is not yet available in VIIS.

6.4 VACCINE DISTRIBUTION BY DEMOGRAPHIC SUBGROUP - SOURCE: VIIS

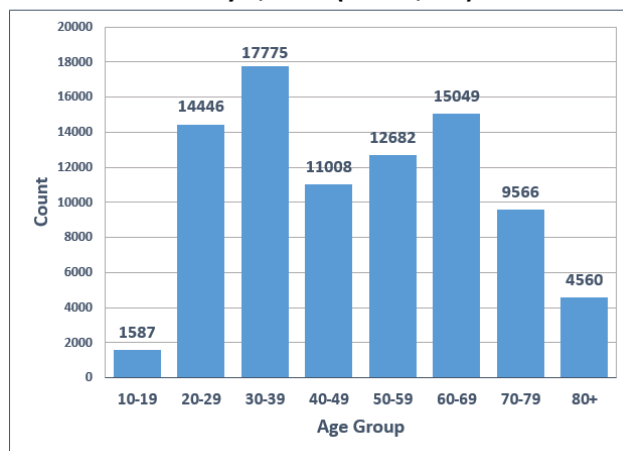
Total Vaccine Recipients by Sex in Richmond
-- May 3, 2021 (N = 86,958)



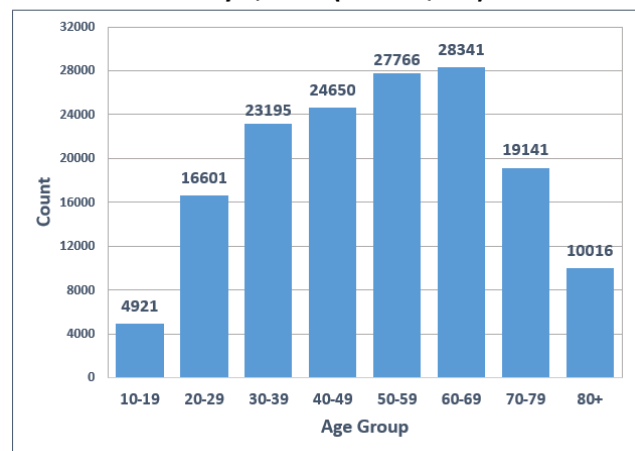
Total Vaccine Recipients by Sex in Henrico
-- May 3, 2021 (N = 155,754)



Total Vaccine Recipients by Age Group in Richmond
-- May 3, 2021 (N = 86,673)

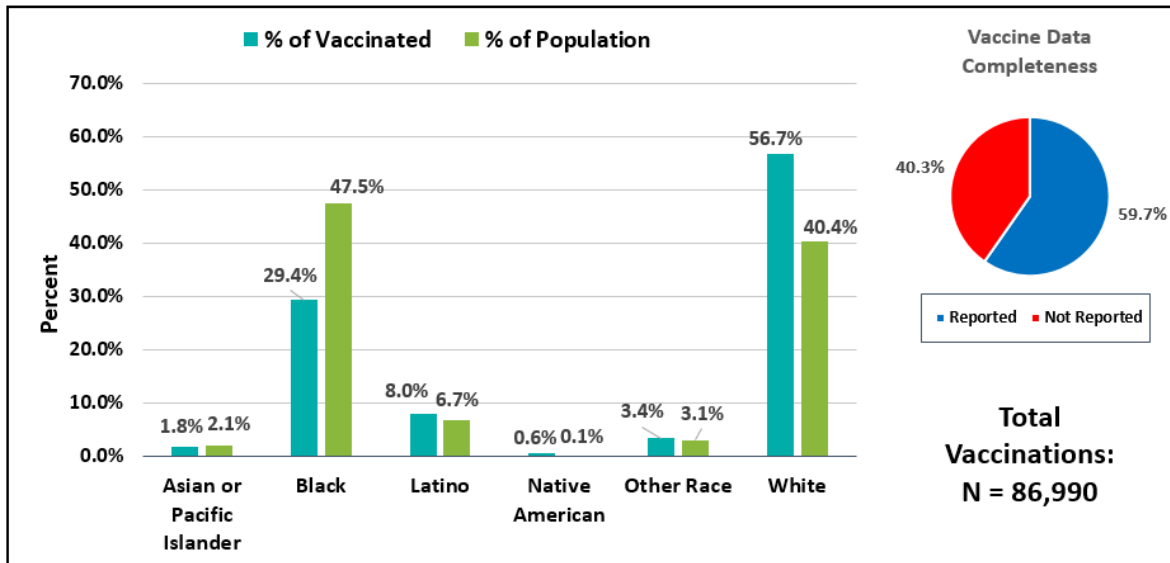


Total Vaccine Recipients by Age Group in Henrico
-- May 3, 2021 (N = 154,631)



The charts below compare the percentage breakdown of racial or ethnic identification of vaccinated individuals to the expected percentage breakdown of the racial or ethnic identification of the population. A notable discrepancy can be seen when looking at Black individuals, who comprise 47.5% of the Richmond population and 29.4% of the Henrico population yet only 29.4% of vaccine recipients in Richmond and 20.1% of vaccine recipients in Henrico.

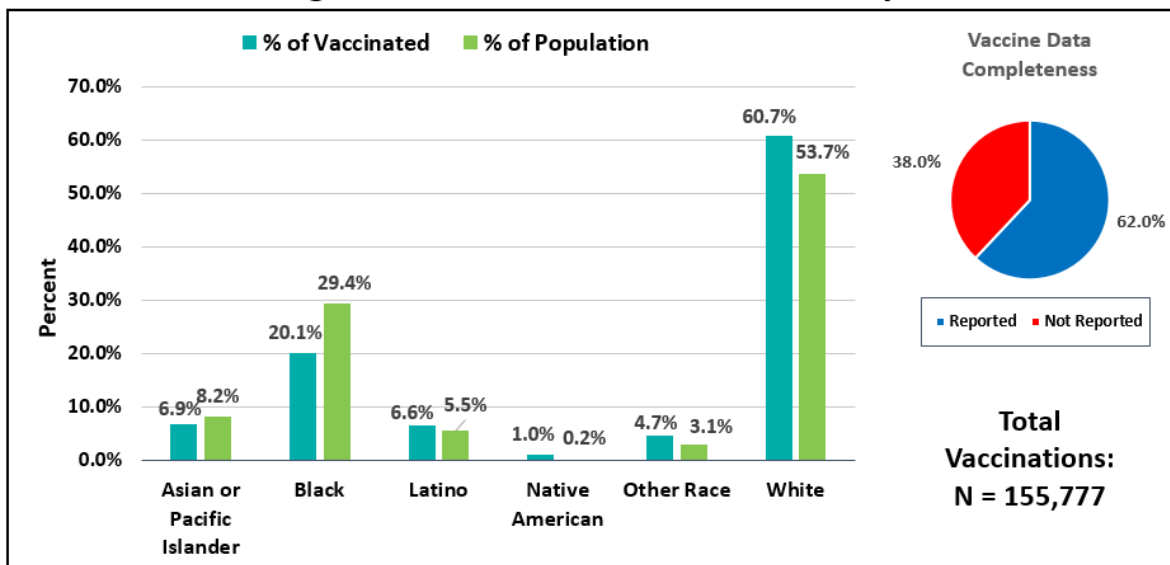
Vaccine Recipients vs. Population by Race/Ethnicity Percentages in Richmond – Dec 15, 2020 to May 3, 2021



*For race/ethnicity of vaccine recipients, "Not Reported" comprises 40.3% (n=35,072).

*Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity.

Vaccine Recipients vs. Population by Race/Ethnicity Percentages in Henrico – Dec 15, 2020 to May 3, 2021

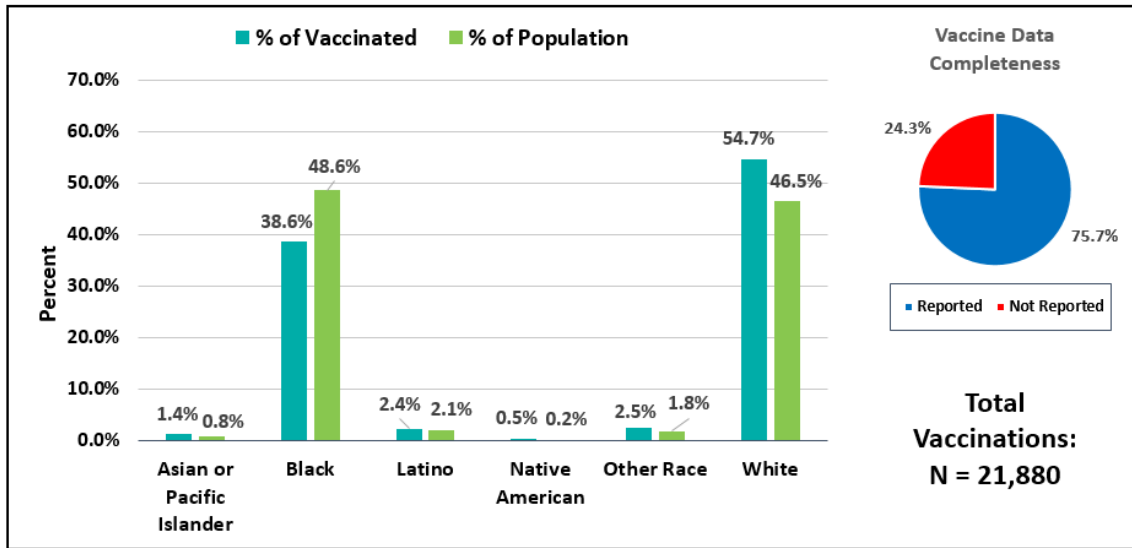


*For race/ethnicity of vaccine recipients, "Not Reported" comprises 38.0% (n=59,210).

*Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity.

The figures below compare the percentage breakdown by race and ethnicity specifically for individuals 65 and over. In Richmond City, Black individuals comprise 48.6% of the population of those aged 65 years and older, yet make up only 38.6% of vaccine recipients. This discrepancy can also be noted in Henrico, where Black individuals make up 25.6% of the population, yet thus far have only comprised 19.8% of vaccine recipients.

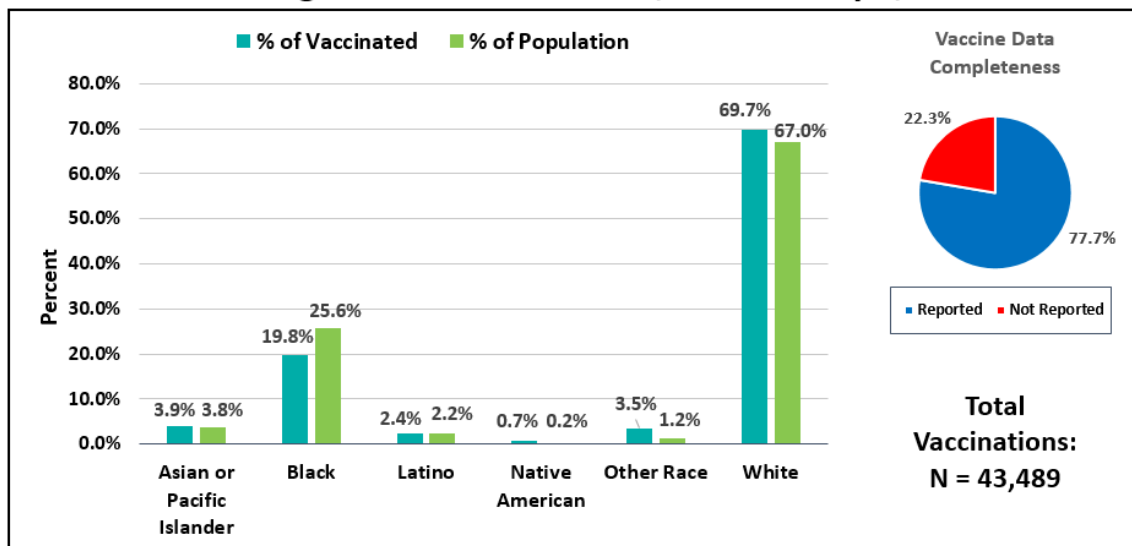
Vaccine Recipients vs. Population 65 and Over by Race/Ethnicity Percentages in Richmond – Dec 15, 2020 to May 3, 2021



*For race/ethnicity of vaccine recipients, "Not Reported" comprises 24.3% (n=5,807).

*Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity.

Vaccine Recipients vs. Population 65 and Over by Race/Ethnicity Percentages in Henrico – Dec 15, 2020 to May 3, 2021



*For race/ethnicity of vaccine recipients, "Not Reported" comprises 22.3% (n=10,637).

*Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity.

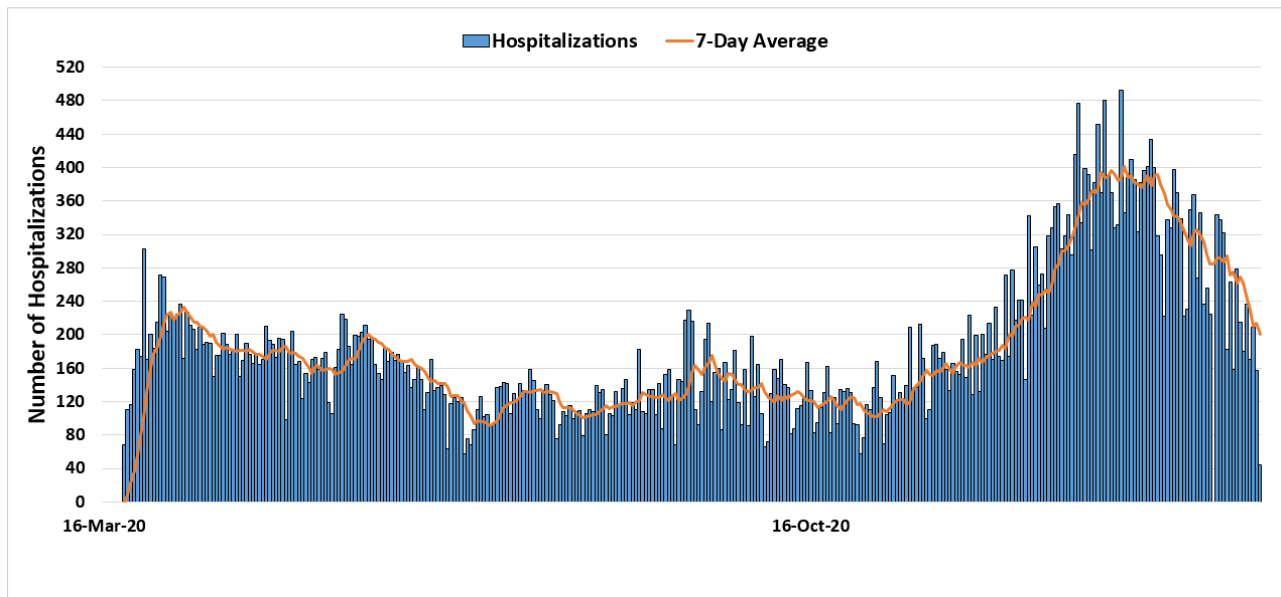
7.0 APPENDIX

7.1 CENSUS POPULATION ESTIMATES BY AGE AND RACE--RICHMOND CITY AND HENRICO COUNTY

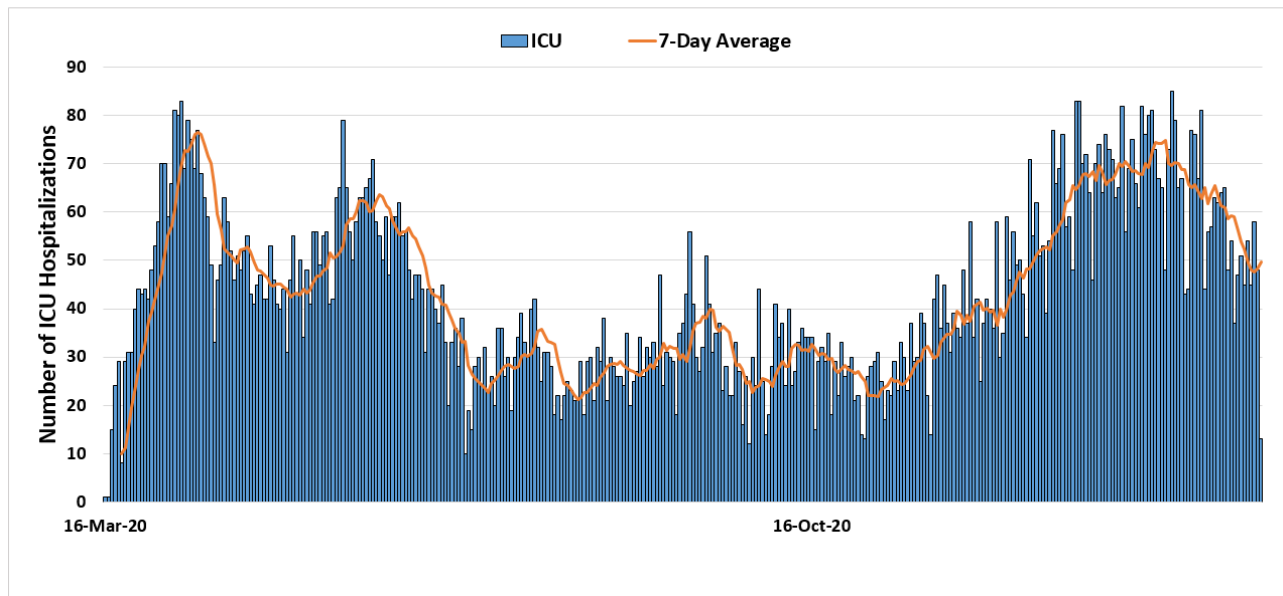
| Richmond City Population Estimates by Age and Race, as of July 1, 2018 (N=228,783) | | | | | Henrico County Population Estimates by Age and Race, as of July 1, 2018 (N=329,261) | | | | |
|--|--------|----------|----------|----------|---|--------|----------|----------|----------|
| Age group (Years) | LATINO | NH WHITE | NH BLACK | NH OTHER | Age group (Years) | LATINO | NH WHITE | NH BLACK | NH OTHER |
| 0-9 | 3807 | 6375 | 13310 | 1232 | 0-9 | 3764 | 17467 | 11946 | 6531 |
| 10-19 | 2282 | 6587 | 13047 | 1554 | 10-19 | 3464 | 18739 | 13872 | 5470 |
| 20-29 | 3417 | 21968 | 18657 | 3146 | 20-29 | 2870 | 19249 | 15019 | 5142 |
| 30-39 | 2817 | 19613 | 14235 | 1897 | 30-39 | 3360 | 22298 | 13542 | 7601 |
| 40-49 | 1901 | 10191 | 10525 | 831 | 40-49 | 2608 | 22194 | 12532 | 5766 |
| 50-59 | 1129 | 10805 | 14747 | 690 | 50-59 | 1696 | 25701 | 13509 | 3338 |
| 60-69 | 525 | 10589 | 13292 | 574 | 60-69 | 819 | 23639 | 10596 | 2368 |
| 70-79 | 218 | 5457 | 5866 | 271 | 70-79 | 391 | 14553 | 5349 | 1147 |
| 80+ | 79 | 3599 | 3369 | 181 | 80+ | 174 | 9618 | 2487 | 442 |

7.2 VHASS HOSPITALIZATION MEASURES - FULL DATA RANGE - MARCH 14 - PRESENT

Total Daily COVID-19 Hospitalizations, March 14th, 2020 – February 28th, 2021
Richmond Catchment Area (N = 63160)



Total Daily COVID-19 ICU Hospitalizations, March 14th, 2020 – February 28th, 2021
Richmond Catchment Area (N = 15063)



Total Daily COVID-19 Ventilator Utilizations, March 14th, 2020 – February 28th, 2021
Richmond Catchment Area (N = 7340)

